Network Camera — IR Bullet Series

N6013-A 5M Vari-Focal

5 Megapixel / H.264 / 50M IR / Smart IR / Heater

- 5 Megapixel 1/3" CMOS Sensor in High Resolution
- H.264/MJPEG Dual Codec & Streaming simultaneously
- 50 meters IR LED, Smart IR
- Auto-IRIS
- Vari-Focal Lens 3-10.5mm F1.4
- QSXGA (2560x1920@15fps) / 1080P(1920x1080@30fps)
- Digital I/O for External Sensor and Alarm
- Mechanical ICR, Built-in IR Illuminator
- Digital WDR
- 3D Noise Reduction
- 2 Way Audio Supported
- Intelligent Video Analytics(IVA^{PLUS})
- Micro SD Card Supported (SDHC up to 32GB)
- IP68 Water + IK10 Vandal Proof + Heater
- Supports PoE Power Over Ethernet IEEE802.3at (Option Heater)

N6019 5M Motor-3X Zoom lens

5 Megapixel / Motor-3X Zoom / 50M IR / Smart IR / Heater

- 5 Megapixel 1/3" CMOS Sensor in High Resolution
- H.264/MJPEG Dual Codec & Streaming simultaneously
- 50 meters IR LED, Smart IR
- Auto-IRIS
- Motor-3X Zoom lens 3-10.5mm F1.4
- QSXGA (2560x1920@15fps) / 1080P(1920x1080@30fps)
- Digital I/O for External Sensor and Alarm
- Mechanical ICR, Built-in IR Illuminator
- Digital WDR
- 3D Noise Reduction
- 2 Way Audio Supported
- Intelligent Video Analytics (IVA^{PLUS})
- Micro SD Card Supported (SDHC up to 32GB)
- IP68 Water + IK10 Vandal Proof + Heater
- Supports PoE Power Over Ethernet IEEE802.3at (Option Heater)

N6013 5M / N6033 3M Vari-Focal

5 Megapixel / 3 Megapixel/H.264/1080P/D-WDR

- 5 Megapixel 1/3" CMOS Sensor in High Resolution (*N6013)
- 3 Megapixel 1/3" CMOS Sensor in High Resolution (*N6033)
- H.264/MJPEG Dual Codec & Streaming simultaneously
- Vari-Focal Lens 3-10mm F1.3
- QSXGA(2560x1920@15fps) / 1080P(1920x1080@30fps) (*N6013)
- QXGA(2048x1536@22fps) / 1080P(1920x1080@30fps) (*N6033)
- Digital I/O for External Sensor and Alarm
- Mechanical ICR, Built-in IR Illuminator
- Digital WDR
- Auto-IRIS
- 3D Noise Reduction
- 2 Way Audio Supported
- Intelligent Video Analytics (IVA^{PLUS}) (*N6013)
- PoE Power Over Ethernet IEEE802.3af (Option)
- Micro SD Card Supported (SDHC up to 32GB)
- IP68 Water+Vandal Proof

N6011 5M / N6031 3M Vari-Focal

5 Megapixel / 3 Megapixel/H.264/1080P/D-WDR

- 5 Megapixel 1/3" CMOS Sensor in High Resolution (*N6011)
- 3 Megapixel 1/3" CMOS Sensor in High Resolution (*N6031)
- H.264/MJPEG Dual Codec & Streaming simultaneously
- Vari-Focal Lens 3-10mm F1.3
- QSXGA(2560x1920@15fps) / 1080P(1920x1080@30fps) (*N6011)
- QXGA(2048x1536@22fps) / 1080P(1920x1080@30fps) (*N6031)
- Digital I/O for External Sensor and Alarm
- Mechanical ICR, Built-in IR Illuminator
- Digital WDR
- Auto-IRIS
- 3D Noise Reduction
- 2 Way Audio Supported
- Intelligent Video Analytics (IVA^{PLUS}) (*N6011)
- PoE Power Over Ethernet IEEE802.3af (Option)
- Micro SD Card Supported (SDHC up to 32GB)

N6037 Vari-Focal / N6038 Fixed Lens

3 Megapixel/H.264/1080P/D-WDR

- 3 Megapixel 1/3" CMOS Sensor in High Resolution
- H.264/MJPEG Dual Codec & Streaming simultaneously
- Vari-Focal Lens 3-10mm F1.3 (*N6037)
- Fixed Lens 3.6mm F1.8 (*N6038)
- QXGA(2048x1536@22fps) / 1080P(1920x1080@30fps)
- Digital I/O for External Sensor and Alarm
- Mechanical ICR, Built-in IR Illuminator
- Digital WDR
- Auto-IRIS (*N6037)
- 3D Noise Reduction
- 2 Way Audio Supported
- Intelligent Video Analytics
- PoE Power Over Ethernet IEEE802.3af (Option)
- Micro SD Card Supported (SDHC up to 32GB)
- IP67 Weather Proof

N6078 Vari-Focal / N6079 Fixed Lens

2 Megapixel/H.264/720P

- 2 Megapixel 1/3" CMOS Sensor in High Resolution
- H.264/MJPEG Dual Codec & Streaming simultaneously
- Vari-Focal Lens 3-10mm F1.6 (*N6078)
- Fixed Lens 3.6mm F1.8 (*N6079)
- UXGA (1600x1200@15fps) / WXGA (1280x720@30fps)
- Digital I/O for External Sensor and Alarm
- Mechanical ICR, Built-in IR Illuminator
- 3D Noise Reduction
- 2 Way Audio Supported
- Intelligent Video Analytics
- PoE Power Over Ethernet IEEE802.3af (Option)
- Micro SD Card Supported (SDHC up to 32GB)
- IP67 Weather Proof

N6074 Vari-Focal / N6075 Fixed Lens

2 Megapixel/H.264/720P/IR-25M

- 2 Megapixel 1/3" CMOS Sensor in High Resolution
- H.264/MJPEG Dual Codec & Streaming simultaneously
- Vari-Focal Lens 3mm-10mm F1.6 (*N6074)
- Fixed Lens 3.6mm F1.8 (*N6075)
- UXGA (1600x1200@15fps) / WXGA (1280x720@30fps)
- Digital I/O for External Sensor and Alarm
- Mechanical ICR
- Built-in IR Illuminator
- 3D Noise Reduction
- 2 Way Audio Supported
- Intelligent Video Analytics
- Micro SD Card Supported (SDHC up to 32GB)
- PoE Power Over Ethernet IEEE802.3af (Option)

N6076 Vari-Focal / N6077 Fixed Lens

2 Megapixel/H.264/720P/IR-25M

- 2 Megapixel 1/3" CMOS Sensor in High Resolution
- H.264/MJPEG Dual Codec & Streaming simultaneously
- Vari-Focal Lens 3mm-10mm F1.6 (*N6076)
- Fixed Lens 6mm F1.8 (*N6077)
- UXGA (1600x1200@15fps) / WXGA (1280x720@30fps)
- Digital I/O for External Sensor and Alarm
- Mechanical ICR
- Built-in IR Illuminator
- 3D Noise Reduction
- 2 Way Audio Supported
- Intelligent Video Analytics
- Micro SD Card Supported (SDHC up to 32GB)
- PoE Power Over Ethernet IEEE802.3af (Option)
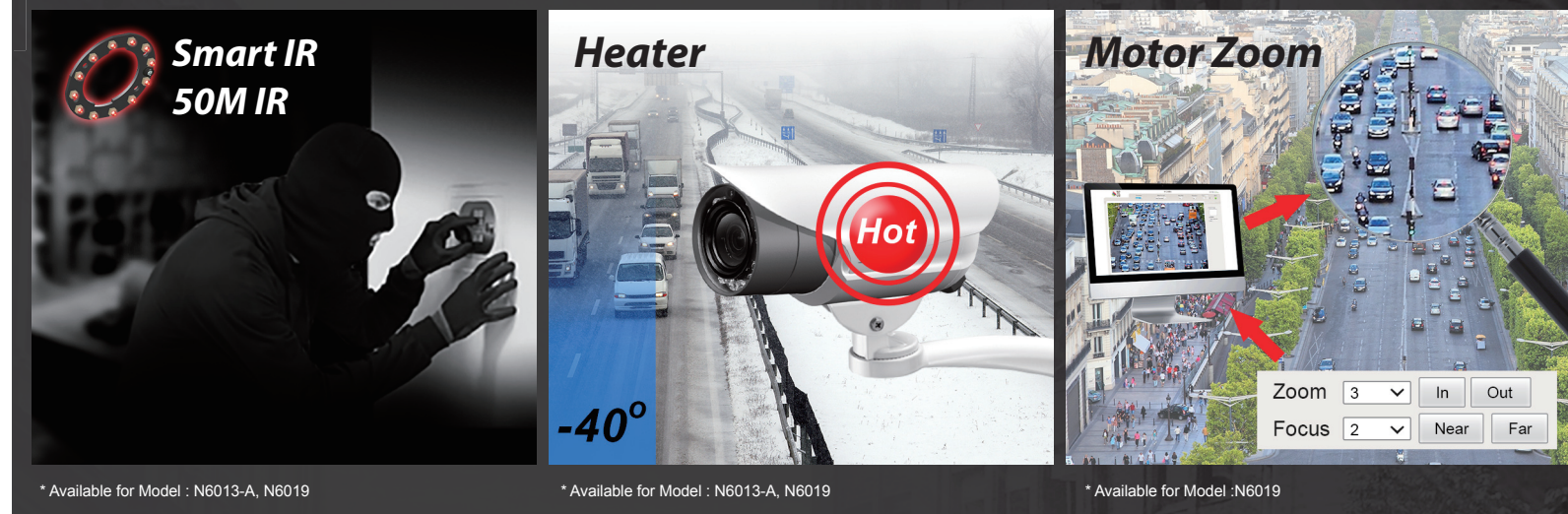- IP68 Water+Vandal Proof

N6071 Fixed Lens

2 Megapixel/H.264/720P/IR-35M

- 2 Megapixel 1/3" CMOS Sensor in High Resolution
- H.264/MJPEG Dual Codec & Streaming simultaneously
- UXGA (1600x1200@15fps) / WXGA (1280x720@30fps)
- Fixed Lens 6mm F1.8
- Digital I/O for External Sensor and Alarm
- Mechanical ICR
- Built-in IR Illuminator
- 3D Noise Reduction
- 2 Way Audio Supported
- Intelligent Video Analytics
- Cable Management Bracket
- PoE Power Over Ethernet IEEE802.3af (Option)
- IP67 Water-proof

N6042 5M / N6082 2M Fixed Lens

5 Megapixel / 2 Megapixel / H.264 / 720P/IR LED

- 5 Megapixel 1/3" CMOS Sensor in High Resolution (*N6042)
- 2 Megapixel 1/4" CMOS Sensor in High Resolution (*N6082)
- H.264/MJPEG Dual Codec & Streaming simultaneously
- Fixed Lens 3.6mm F1.8 (*N6042)
- Fixed Lens 2.8mm F2.0 (*N6082)
- QSXGA (2560x1920@15fps) / 1080P (1920x1080@30fps) (*N6042)
- UXGA (1600x1200@15fps) / WXGA (1280x720@30fps) (*N6082)
- 3D Noise Reduction
- Digital WDR
- 20 meters IR LED
- IP66 Water Proof
- DC12V&PoE Power Over Ethernet IEEE802.3af

Network Camera IR Bullet Series

Icons: Day & Night | ICR | IR | Micro SD SDHC | Two ways Audio | WDR | 3D Deinterlace | IP68 Vandal proof

IP68 IK10 Water Vandal Proof

Smart IR 50M IR
* Available for Model : N6013-A, N6019

Heater −40° Hot
* Available for Model : N6013-A, N6019

Motor Zoom
| Zoom | 3 | In | Out |
| Focus | 2 | Near | Far |
* Available for Model :N6019

Member of ONVIF CE FC c UL us LISTED RoHS

Dimension Diagram

Outdoor	Outdoor	Indoor	Outdoor	Outdoor
IP66 Weather Proof	IP67 Water Proof		IP68 / IK10 Water / Vandal Proof	IP67 Water Proof

- **Outdoor** — N6042 Fixed Lens (5M) / N6082 Fixed Lens (2M)
- **Outdoor** — N6037 Vari-Focal (3M) / N6078 Vari-Focal (2M) / N6038 Fixed Lens (3M) / N6079 Fixed Lens (2M)
- **Indoor** — N6011 Vari-Focal (5M) / N6031 Vari-Focal (3M) / N6074 Vari-Focal (2M) / N6075 Fixed Lens (2M)
- **Outdoor** — N6013-A Vari-Focal (5M) / N6019 Motor-Focal (5M) / N6013 Vari-Focal (5M) / N6033 Vari-Focal (3M) / N6076 Vari-Focal (2M) / N6077 Fixed Lens (2M)
- **Outdoor** — N6071 Fixed Lens (2M)

3S surveillance system service

www.3svision.com.tw

	N6013-A	N6019	N6013	N6011
	NEW 5M	NEW 5M	5M	5M
Camera	**Outdoor**	**Outdoor**	**Outdoor**	**Indoor**
Sensor	5 Megapixel 1/3" CMOS sensor	5 Megapixel 1/3" CMOS sensor	5 Megapixel 1/3" CMOS sensor	5 Megapixel 1/3" CMOS sensor
Scan Method	Progressive	Progressive	Progressive	Progressive
Lens	Vari-Focal Lens 3-10.5mm F1.4	Motor-3X Zoom Vari-Focal 3-10.5mm F1.4	Vari-Focal Lens 3-10mm F1.3	Vari-Focal Lens 3-10mm F1.3
Number of Effective Pixel (H*V)	2560x1920	2560x1920	2560x1920	2560x1920
Minimum Illumination	0.1Lux (F1.3, AGC max.) 0Lux (IR On)	0.1Lux (F1.3, AGC max.) 0Lux (IR On)	0.1Lux (F1.3, AGC max.) 0Lux (IR On)	0.1Lux (F1.3, AGC max.) 0Lux (IR On)
Horizontal Resolution	1700TVL	1700TVL	1700TVL	1700TVL
Wide Dynamic Range	High/Middle/Low, 3 steps selection	High/Middle/Low, 3 steps selection	High/Middle/Low, 3 steps selection	High/Middle/Low, 3 steps selection
Dynamic Range	69db@8xGain	69db@8xGain	69db@8xGain	69db@8xGain
SNR (max.)	37db	37db	37db	37db
DNR	High/Middle/Low, 3 steps selection	High/Middle/Low, 3 steps selection	High/Middle/Low, 3 steps selection	High/Middle/Low, 3 steps selection
White Balance	Auto	Auto	Auto	Auto
Gain Control	High/Middle/Low, 3 steps selection	High/Middle/Low, 3 steps selection	High/Middle/Low, 3 steps selection	High/Middle/Low, 3 steps selection
Flicker Control	Off/50Hz/60Hz, 3 steps selection	Off/50Hz/60Hz, 3 steps selection	Off/50Hz/60Hz, 3 steps selection	Off/50Hz/60Hz, 3 steps selection
Electronic Shutter	Auto/Manual (1/30, 1/60, 1/100, 1/500, 1/1000, 1/2000, 1/5000, 1/10000)	Auto/Manual (1/30, 1/60, 1/100, 1/500, 1/1000, 1/2000, 1/5000, 1/10000)	Auto/Manual (1/30, 1/60, 1/100, 1/500, 1/1000, 1/2000, 1/5000, 1/10000)	Auto/Manual (1/30, 1/60, 1/100, 1/500, 1/1000, 1/2000, 1/5000, 1/10000)
Number of the Preset Positions	16	16	16	16
IRIS Control	Auto	Auto	Auto	Auto
IR Illuminators				
Day and Night	IR-Cut Filter Removable (ICR)	IR-Cut Filter Removable (ICR)	IR-Cut Filter Removable (ICR)	IR-Cut Filter Removable (ICR)
Wavelength Range	850nm	850nm	850nm	850nm
Distance	50M	50M	25M	25M
Video				
Video Compression	H.264 (MPEG-4Part 10/AVC)/MJPEG,Dual codec	H.264 (MPEG-4Part 10/AVC)/MJPEG,Dual codec	H.264 (MPEG-4Part 10/AVC)/MJPEG,Dual codec	H.264 (MPEG-4Part 10/AVC)/MJPEG,Dual codec
Video Framerate	2560x1920@15fps/1920x1080@30fps	2560x1920@15fps/1920x1080@30fps	2560x1920@15fps/1920x1080@30fps	2560x1920@15fps/1920x1080@30fps
Resolution	H.264 : 5M(2560x1920@15fps), 3M(2048x1536@15fps) 2M(1600x1200@15fps), 1080P(1920x1080@30fps) 720P(1280x720@30fps) MJPEG : 1.3M(1280x960@15fps), 1080P(1920x1080@15fps) 720P(1280x720@15fps)	H.264 : 5M(2560x1920@15fps), 3M(2048x1536@15fps) 2M(1600x1200@15fps), 1080P(1920x1080@30fps) 720P(1280x720@30fps) MJPEG : 1.3M(1280x960@15fps), 1080P(1920x1080@15fps) 720P(1280x720@15fps)	H.264 : 5M(2560x1920@15fps), 3M(2048x1536@15fps) 2M(1600x1200@15fps), 1080P(1920x1080@30fps) 720P(1280x720@30fps) MJPEG : 1.3M(1280x960@15fps), 1080P(1920x1080@15fps) 720P(1280x720@15fps)	H.264 : 5M(2560x1920@15fps), 3M(2048x1536@15fps) 2M(1600x1200@15fps), 1080P(1920x1080@30fps) 720P(1280x720@30fps) MJPEG : 1.3M(1280x960@15fps), 1080P(1920x1080@15fps) 720P(1280x720@15fps)
Bitrate Control	CBR and VBR, 128kbps~10Mbps	CBR and VBR, 128kbps~10Mbps	CBR and VBR, 128kbps~10Mbps	CBR and VBR, 128kbps~10Mbps
Multi-streams	Dual streaming,Multiple profiles 1920x1080 H.264@30fps/1280x720 H.264(Sub)@30fps/1920x1080 MJPEG@15fps 2560x1920 H.264@15fps/640x480 H.264(Sub)@15fps/1280x960 MJPEG@15fps	Dual streaming,Multiple profiles 1920x1080 H.264@30fps/1280x720 H.264(Sub)@30fps/1920x1080 MJPEG@15fps 2560x1920 H.264@15fps/640x480 H.264(Sub)@15fps/1280x960 MJPEG@15fps	Dual streaming,Multiple profiles 1920x1080 H.264@30fps/1280x720 H.264(Sub)@30fps/1920x1080 MJPEG@15fps 2560x1920 H.264@15fps/640x480 H.264(Sub)@15fps/1280x960 MJPEG@15fps	Dual streaming,Multiple profiles 1920x1080 H.264@30fps/1280x720 H.264(Sub)@30fps/1920x1080 MJPEG@15fps 2560x1920 H.264@15fps/640x480 H.264(Sub)@15fps/1280x960 MJPEG@15fps
Digital Zoom (PC Side)	1/4X, 1/3X, 1/2X, 1X, 2X, 4X	1/4X, 1/3X, 1/2X, 1X, 2X, 4X	1/4X, 1/3X, 1/2X, 1X, 2X, 4X	1/4X, 1/3X, 1/2X, 1X, 2X, 4X
Image Rotation	Mirror, Flip, Rotate 180°	Mirror, Flip, Rotate 180°	Mirror, Flip, Rotate 180°	Mirror, Flip, Rotate 180°
Audio				
2 Way Audio	Audio Line in, Audio Line-out	Audio Line in, Audio Line-out	Audio Line in, Audio Line-out	Audio Line in, Audio Line-out
Compression	AMR, G7.11@64kbps, G.726@32kbps/Configure bit rate	AMR, G7.11@64kbps, G.726@32kbps/Configure bit rate	AMR, G.711@64kbps, G.726@32kbps/Configure bit rate	AMR, G.711@64kbps, G.726@32kbps/Configure bit rate
Intelligent Video				
	Objet Detection/Tracking, Tripwire Detection, Regional Entrance Detection, Abnormal Speed Detection, Reverse Direction Detection, Appearing/Disppearing Detection, Abandon Object Detection, Object Removal Detection, Loitering Detection, Events Counting	Objet Detection/Tracking, Tripwire Detection, Regional Entrance Detection, Abnormal Speed Detection, Reverse Direction Detection, Appearing/Disppearing Detection, Abandon Object Detection, Object Removal Detection, Loitering Detection, Events Counting	Objet Detection/Tracking, Tripwire Detection, Regional Entrance Detection, Abnormal Speed Detection, Reverse Direction Detection, Appearing/Disppearing Detection, Abandon Object Detection, Object Removal Detection, Loitering Detection, Events Counting	Objet Detection/Tracking, Tripwire Detection, Regional Entrance Detection, Abnormal Speed Detection, Reverse Direction Detection, Appearing/Disppearing Detection, Abandon Object Detection, Object Removal Detection, Loitering Detection, Events Counting
System Requirements				
Browser	Internet Explorer 6.0 or above	Internet Explorer 6.0 or above	Internet Explorer 6.0 or above	Internet Explorer 6.0 or above
Application Software	VMS Application Software	VMS Application Software	VMS Application Software	VMS Application Software
OS Supported	Microsoft Windows 2000, XP, Vista, Windows 7	Microsoft Windows 2000, XP, Vista, Windows 7	Microsoft Windows 2000, XP, Vista, Windows 7	Microsoft Windows 2000, XP, Vista, Windows 7
I/O and Connectors				
LAN	1xRJ-45 Ethernet connector	1xRJ-45 Ethernet connector	1xRJ-45 Ethernet connector	1xRJ-45 Ethernet connector
Audio	1xAudio Line-in, 1xAudio Line-out	1xAudio Line-in, 1xAudio Line-out	1xAudio Line-in, 1xAudio Line-out	1xAudio Line-in, 1xAudio Line-out
Alarm I/O	1xAlarm-in (2pin), 1xAlarm-out (3pin)	1xAlarm-in (2pin), 1xAlarm-out (3pin)	1xAlarm-in (2pin), 1xAlarm-out (3pin)	1xAlarm-in (2pin), 1xAlarm-out (3pin)
Serial Port	RS485 (2pin)	RS485 (2pin)	RS485 (2pin)	RS485 (2pin)
Factory Default	1xReset Button	1xReset Button	1xReset Button	1xReset Button
General				
Storage	1x Micro SD Card (SDHC up to 32GB)	1x Micro SD Card (SDHC up to 32GB)	1x Micro SD Card (SDHC up to 32GB)	1x Micro SD Card (SDHC up to 32GB)
Power Input	DC12V, DC12V/PoE Plus	DC12V, DC12V/PoE Plus	DC12V, DC12V/PoE	DC12V, DC12V/PoE
Power Consumption	IR On : 14W / IR +Heater On : 21.5W	IR On : 15W / IR +Heater On : 22.5W	IR On : 7.8W / IR Off : 4.8W	IR On : 7.8W / IR Off : 4.8W
Operation Environment	Operation temperature : -45°C~50°C (with Heater) Storage temperature : -30°C~60°C Operation humidity : 0%~95% Non-condensing	Operation temperature : -45°C~50°C (with Heater) Storage temperature : -30°C~60°C Operation humidity : 0%~95% Non-condensing	Operation temperature : -20°C~50°C Storage temperature : -30°C~60°C Operation humidity : 0%~95% Non-condensing	Operation temperature : -20°C~50°C Storage temperature : -30°C~60°C Operation humidity : 0%~95% Non-condensing
Dimensions	98.59mm(Φ)x98.59mm(H)x254.27mm(L)	98.59mm(Φ)x98.59mm(H)x254.27mm(L)	98.59mm(Φ)x98.59mm(H)x254.27mm(L)	91mm(Φ)x173mm(H)
Weight	DC12V : 1300g / PoE : 1330g	DC12V : 1300g / PoE : 1330g	DC12V : 1256g / PoE : 1280g	DC12V : 1016g / PoE : 1040g
Safety Certifications	CE, FCC, Class A, RoHS, IP68, IK10	CE, FCC, Class A, RoHS, IP68, IK10	CE, FCC, Class A, RoHS, IP68, IK10	CE, FCC, Class A, RoHS, IP40
Warranty	24 Months	24 Months	24 Months	24 Months
Network				
Streaming Protocols	RTSP/RTP/UDP,RTSP/RTP/TCP,RTSP/RTP/ HTTP tunneling, LAN Multicast, Multipart-JPEG	RTSP/RTP/UDP,RTSP/RTP/TCP,RTSP/RTP/ HTTP tunneling, LAN Multicast, Multipart-JPEG	RTSP/RTP/UDP,RTSP/RTP/TCP,RTSP/RTP/ HTTP tunneling, LAN Multicast, Multipart-JPEG	RTSP/RTP/UDP,RTSP/RTP/TCP,RTSP/RTP/ HTTP tunneling, LAN Multicast, Multipart-JPEG
Supported Protocols	IPv4, HTTP, UDP, TCP, ICMP, IGMP, ARP, DHCP, NTP, SMTP, FTP, SAMBA, UPnP, PPPoE, DNS, DDNS, RTSP, RTP, RTCP, ONVIF	IPv4, HTTP, UDP, TCP, ICMP, IGMP, ARP, DHCP, NTP, SMTP, FTP, SAMBA, UPnP, PPPoE, DNS, DDNS, RTSP, RTP, RTCP, ONVIF	IPv4, HTTP, UDP, TCP, ICMP, IGMP, ARP, DHCP, NTP, SMTP, FTP, SAMBA, UPnP, PPPoE, DNS, DDNS, RTSP, RTP, RTCP, ONVIF	IPv4, HTTP, UDP, TCP, ICMP, IGMP, ARP, DHCP, NTP, SMTP, FTP, SAMBA, UPnP, PPPoE, DNS, DDNS, RTSP, RTP, RTCP, ONVIF

![3S Network Surveillance Expert logo]

	N6031	N6033	N6074	N6075	N6076	N6077	N6071
	3M	3M					

Camera

	N6031 (Indoor)	N6033 (Outdoor)	N6074 / N6075 (Indoor)	N6076 / N6077 (Outdoor)	N6071 (Outdoor)
Sensor	3 Megapixel 1/3" CMOS sensor		2 Megapixel 1/3" CMOS sensor	2 Megapixel 1/3" CMOS sensor	2 Megapixel 1/3" CMOS sensor
Scan Method	Progressive		Progressive	Progressive	Progressive
Lens	Vari-Focal Lens 3-10mm, F1.6		Vari-Focal Lens 3-10mm, F1.6 / Fixed Lens 3.6mm, F1.8	Vari-Focal Lens 3-10mm, F1.6 / Fixed Lens 6mm, F1.8	Fixed Lens 6mm, F1.8
Number of Effective Pixel (H*V)	2048x1536		1600x1200	1600x1200	1600x1200
Minimum Illumination	0.1Lux (F1.6, AGC max.) 0Lux (IR On)		0.1Lux (F1.6, AGC max.) 0Lux (IR On)	0.1Lux (F1.6, AGC max.) 0Lux (IR On)	0.1Lux (F1.6, AGC max.) 0Lux (IR On)
Horizontal Resolution	1400TVL		950TVL	950TVL	950TVL
Wide Dynamic Range	N/A		N/A	N/A	N/A
Dynamic Range	69db@8xGain		71db	71db	71db
SNR (max.)	37db		42.3db	42.3db	42.3db
DNR	High/Middle/Low, 3 steps selection		High/Middle/Low, 3 steps selection	High/Middle/Low, 3 steps selection	High/Middle/Low, 3 steps selection
White Balance	Auto		Auto	Auto	Auto
Gain Control	High/Middle/Low, 3 steps selection		High/Middle/Low, 3 steps selection	High/Middle/Low, 3 steps selection	High/Middle/Low, 3 steps selection
Flicker Control	Off/50Hz/60Hz, 3 steps selection		Off/50Hz/60Hz, 3 steps selection	Off/50Hz/60Hz, 3 steps selection	Off/50Hz/60Hz, 3 steps selection
Backlight Compensation	N/A		On/Off	On/Off	On/Off
Electronic Shutter	Auto/Manual (1/30, 1/60, 1/100, 1/500, 1/1000, 1/2000, 1/5000, 1/10000)		Auto/Slow shutter (2X~16X / 5 steps selection)	Auto/Slow shutter (2X~16X / 5 steps selection)	Auto/Slow shutter (2X~16X / 5 steps selection)
Number of the Preset Positions	16		16	16	16
IRIS Control	Auto		N/A	N/A	N/A

IR Illuminators

	N6031 / N6033	N6074 / N6075	N6076 / N6077	N6071
Day and Night	IR-Cut Filter Removable (ICR)	IR-Cut Filter Removable (ICR)	IR-Cut Filter Removable (ICR)	IR-Cut Filter Removable (ICR)
Wavelength Range	850nm	850nm	850nm	850nm
Distance	25M	25M	25M	35M
Beam Angle	30°	30°	30°	50°

Video

	N6031 / N6033	N6074 / N6075	N6076 / N6077	N6071
Video Compression	H.264 (MPEG-4Part 10/AVC)/MJPEG,Dual codec	H.264 (MPEG-4Part 10/AVC)/MJPEG,Dual codec	H.264 (MPEG-4Part 10/AVC)/MJPEG,Dual codec	H.264 (MPEG-4Part 10/AVC)/MJPEG,Dual codec
Video Framerate	2048x1536@22fps/1920x1080@30fps	1600x1200@15fps/1280x720@30fps	1600x1200@15fps/1280x720@30fps	1600x1200@15fps/1280x720@30fps
Resolution	H.264 : 3M(2048x1536@22fps), 2M(1600x1200@22fps) 1080P(1920x1080@30fps), 720P(1280x720@30fps) MJPEG : 1.3M(1280x960@15fps), 1080P(1920x1080@15fps) 720P(1280x720@15fps)	H.264 : 2MP(1600×1200@15fps) 720P(1280×720@30fps) MJPEG : 2MP(1600×1200@ 15fps) 720P(1280×720@30fps)	H.264 : 2MP(1600×1200@15fps) 720P(1280×720@30fps) MJPEG : 2MP(1600×1200@15fps) 720P(1280×720@30fps)	H.264 : 2MP(1600×1200@15fps) 720P(1280×720@30fps) MJPEG : 2MP(1600×1200@15fps) 720P(1280×720@30fps)
Bitrate Control	CBR and VBR, 128kbps~8Mbps	CBR and VBR, 128kbps~4Mbps	CBR and VBR, 128kbps~4Mbps	CBR and VBR, 128kbps~4Mbps
Multi-streams	Dual streaming,Multiple profiles 1920x1080 H.264@30fps/720x400 H.264(Sub)@30fps/1920x1080 MJPEG@15fps 2048x1536 H.264@22fps/640x480 H.264(Sub)@22fps/1280x960 MJPEG@15fps	Dual streaming,Multiple profiles 1280x720 H.264@30fps/640x352 H.264(Sub)@30fps/1280x720 MJPEG@15fps 1600x1200 H.264@15fps/640x480 H.264(Sub)@15fps/1600x1200 MJPEG@15fps	Dual streaming,Multiple profiles 1280x720 H.264@30fps/640x352 H.264(Sub)@30fps/1280x720 MJPEG@15fps 1600x1200 H.264@15fps/640x480 H.264(Sub)@15fps/1600x1200 MJPEG@15fps	Dual streaming,Multiple profiles 1280x720 H.264@30fps/640x352 H.264(Sub)@30fps/1280x720 MJPEG@15fps 1600x1200 H.264@15fps/640x480 H.264(Sub)@15fps/1600x1200 MJPEG@15fps
Digital Zoom (PC Side)	1/4X, 1/3X, 1/2X, 1X, 2X, 4X	1/4X, 1/3X, 1/2X, 1X, 2X, 4X	1/4X, 1/3X, 1/2X, 1X, 2X, 4X	1/4X, 1/3X, 1/2X, 1X, 2X, 4X
Image Rotation	Mirror, Flip, Rotate 180°	Mirror, Flip, Rotate 180°	Mirror, Flip, Rotate 180°	Mirror, Flip, Rotate 180°

Audio

	N6031 / N6033	N6074 / N6075	N6076 / N6077	N6071
2 Way Audio	Audio Line in, Audio Line-out	Audio Line in, Audio Line-out	Audio Line in, Audio Line-out	Audio Line in, Audio Line-out
Compression	AMR, G.711@64kbps, G.726@32kbps/Configure bit rate	AMR, G.711@64kbps, G.726@32kbps/Configure bit rate	AMR, G.711@64kbps, G.726@32kbps/Configure bit rate	AMR, G.711@64kbps, G.726@32kbps/Configure bit rate

Intelligent Video

	N6031 / N6033	N6074 / N6075	N6076 / N6077	N6071
	Motion Detection Tamper Detection Privacy Mask	Motion Detection Tamper Detection Privacy Mask	Motion Detection Tamper Detection Privacy Mask	Motion Detection Tamper Detection Privacy Mask

System Requirements

	N6031 / N6033	N6074 / N6075	N6076 / N6077	N6071
Browser	Internet Explorer 6.0 or above	Internet Explorer 6.0 or above	Internet Explorer 6.0 or above	Internet Explorer 6.0 or above
Application Software	VMS Application Software	VMS Application Software	VMS Application Software	VMS Application Software
OS Supported	Microsoft Windows 2000, XP, Vista, Windows 7	Microsoft Windows 2000, XP, Vista, Windows 7	Microsoft Windows 2000, XP, Vista, Windows 7	Microsoft Windows 2000, XP, Vista, Windows 7

I/O and Connectors

	N6031 / N6033	N6074 / N6075	N6076 / N6077	N6071
LAN	1xRJ-45 Ethernet connector	1xRJ-45 Ethernet connector	1xRJ-45 Ethernet connector	1xRJ-45 Ethernet connector
Audio	1xAudio Line-in, 1xAudio Line-out	1xAudio Line-in, 1xAudio Line-out	1xAudio Line-in, 1xAudio Line-out	1xAudio Line-in, 1xAudio Line-out
Alarm I/O	1xAlarm-in (2pin), 1xAlarm-out (3pin)	1xAlarm-in (2pin), 1xAlarm-out (3pin)	1xAlarm-in (2pin), 1xAlarm-out (3pin)	1xAlarm-in, 1xAlarm-out
Serial Port	RS485 (2pin)	RS485 (2pin)	RS485 (2pin)	N/A
Factory Default	1xReset Button	1xReset Button	1xReset Button	Manually

General

	N6031	N6033	N6074 / N6075	N6076 / N6077	N6071
Storage	1x Micro SD Card (SDHC up to 32GB)		1x Micro SD Card (SDHC up to 32GB)	1x Micro SD Card (SDHC up to 32GB)	N/A
Power Input	DC12V, DC12V/PoE		DC12V, DC12V/PoE	DC12V, DC12V/PoE	DC12V, DC12V/PoE (Option)
Power Consumption	IR On : 7.8W / IR Off : 4.8W		IR On : 7.8W / IR Off : 4.8W	IR On : 7.8W / IR Off : 4.8W	3W (IR Off) / 9.6W (IR On)
Operation Environment	Operation temperature : -10°C~50°C Storage temperature : -20°C~60°C	Operation temperature : -20°C~50°C Storage temperature : -30°C~60°C	Operation temperature : -10°C~50°C Storage temperature : -20°C~60°C	Operation temperature : -20°C~50°C Storage temperature : -30°C~60°C	Operation temperature : -20°C~50°C Storage temperature : -30°C~60°C
	Operation humidity : 0%~95% Non-condensing		Operation humidity : 0%~95% Non-condensing	Operation humidity : 0%~95% Non-condensing	Operation humidity : 0%~95% Non-condensing
Dimensions	91mm(Φ)x173mm(H)	98.59mm(Φ)x98.59mm(H)x254.27mm(L)	91mm(Φ)x 173mm(H)	98.59mm(W)x98.59mm(H)x254.27mm(L)	250mm(L)x90mm(W)x89mm(D)
Weight	DC12V : 1016g / PoE : 1040g	DC12V : 1243g / PoE : 1267g	DC12V : 1251g / PoE : 1275g	DC12V : 988g / PoE : 1012g DC12V : 1243g / PoE : 1267g	DC12V : 1221g / PoE : 1245g ; 1781g
Safety Certifications	CE, FCC, Class A, RoHS, IP40	CE, FCC, Class A, RoHS, IP68, IK10	CE, FCC, Class A, RoHS, IP40	CE, FCC, Class A, RoHS, IP68, IK10	CE, FCC, Class A, RoHS, IP67
Warranty	24 Months		24 Months	24 Months	24 Months

Network

	N6031 / N6033	N6074 / N6075	N6076 / N6077	N6071
Streaming Protocols	RTSP/RTP/UDP,RTSP/RTP/TCP,RTSP/RTP/ HTTP tunneling, LAN Multicast, Multipart-JPEG	RTSP/RTP/UDP,RTSP/RTP/TCP,RTSP/RTP/ HTTP tunneling, LAN Multicast, Multipart-JPEG	RTSP/RTP/UDP,RTSP/RTP/TCP,RTSP/RTP/ HTTP tunneling, LAN Multicast, Multipart-JPEG	RTSP/RTP/UDP,RTSP/RTP/TCP,RTSP/RTP/ HTTP tunneling, LAN Multicast, Multipart-JPEG
Supported Protocols	IPv4, HTTP, UDP, TCP, ICMP, IGMP, ARP, DHCP, NTP, SMTP, FTP, SAMBA, UPnP, PPPoE, DNS, DDNS, RTSP, RTP, RTCP, ONVIF	IPv4, HTTP, UDP, TCP, ICMP, IGMP, ARP, DHCP, NTP, SMTP, FTP, SAMBA, UPnP, PPPoE, DNS, DDNS, RTSP, RTP, RTCP, ONVIF	IPv4, HTTP, UDP, TCP, ICMP, IGMP, ARP, DHCP, NTP, SMTP, FTP, SAMBA, UPnP, PPPoE, DNS, DDNS, RTSP, RTP, RTCP, ONVIF	IPv4, HTTP, UDP, TCP, ICMP, IGMP, ARP, DHCP, NTP, SMTP, FTP, SAMBA, UPnP, PPPoE, DNS, DDNS, RTSP, RTP, RTCP, ONVIF

3S — Network Surveillance Expert

	N6042 (NEW 5M)	N6082 (NEW)	N6037 (3M)	N6038 (3M)	N6078	N6079

Camera

	Outdoor	Outdoor	Outdoor		Outdoor	
Sensor	5 Megapixel 1/3" CMOS sensor	2 Megapixel 1/4" CMOS sensor	3 Megapixel 1/3" CMOS sensor		2 Megapixel 1/3" CMOS sensor	
Scan Method	Progressive	Progressive	Progressive		Progressive	
Lens	Fixed Lens 3.6mm F1.8	Fixed Lens 2.8mm F2.0	Vari-Focal Lens 3-10mm, F1.3	Fixed Lens 3.6mm, F1.8	Vari-Focal Lens 3-10mm, F1.6	Fixed Lens 3.6mm, F1.8
Number of Effective Pixel (H*V)	2560x1920	1600x1200	2048x1536		1600x1200	
Minimum Illumination	0.1Lux (F1.6, AGC max.) / 0Lux (IR On)	0.1Lux (F1.6, AGC max.) / 0Lux (IR On)	0.1Lux (F1.6, AGC max.) / 0Lux (IR On)		0.1Lux (F1.6, AGC max.) / 0Lux (IR On)	
Horizontal Resolution	1700TVL	950TVL	1400TVL		950TVL	
Wide Dynamic Range	N/A	N/A	High/Middle/Low, 3 steps selection		N/A	
Dynamic Range	71db	71db	69db@8xGain		71db	
SNR (max.)	42.3db	42.3db	37db		42.3db	
DNR	High/Middle/Low, 3 steps selection	High/Middle/Low, 3 steps selection	High/Middle/Low, 3 steps selection		High/Middle/Low, 3 steps selection	
White Balance	Auto	Auto	Auto		Auto	
Gain Control	High/Middle/Low, 3 steps selection	High/Middle/Low, 3 steps selection	High/Middle/Low, 3 steps selection		High/Middle/Low, 3 steps selection	
Flicker Control	Off/50Hz/60Hz, 3 steps selection	Off/50Hz/60Hz, 3 steps selection	Off/50Hz/60Hz, 3 steps selection		Off/50Hz/60Hz, 3 steps selection	
Backlight Compensation	N/A	N/A	N/A		On/Off	
Electronic Shutter	Auto/Slow shutter	Auto/Slow shutter	Auto/Manual (1/30, 1/60, 1/100, 1/500, 1/1000, 1/2000, 1/5000, 1/10000)		Auto/Slow shutter (2X~16X / 5 steps selection)	
Number of the Preset Positions	16	16	16		16	
IRIS Control	N/A	N/A	Auto	N/A	N/A	

IR Illuminators

Day and Night	IR-Cut Filter Removable (ICR)	IR-Cut Filter Removable (ICR)	IR-Cut Filter Removable (ICR)		IR-Cut Filter Removable (ICR)	
Wavelength Range	850nm	850nm	850nm		850nm	
Distance	20M	20M	15M		15M	
Beam Angle	30° / 50° mixed	30° / 50° mixed	30°		30°	

Video

Video Compression	H.264 (MPEG-4Part 10/AVC)/MJPEG, Dual codec	H.264 (MPEG-4Part 10/AVC)/MJPEG, Dual codec	H.264 (MPEG-4Part 10/AVC)/MJPEG, Dual codec		H.264 (MPEG-4Part 10/AVC)/MJPEG, Dual codec	
Video Framerate	2560x1920@15fps/1920x1080@30fps	1600x1200@15fps/1280x720@30fps	2048x1536@22fps/1920x1080@30fps		1600x1200@15fps/1280x720@30fps	
Resolution	H.264 : 5M(2560x1920@15fps), 3M(2048x1536@15fps), 2M(1600x1200@15fps), 1080P(1920x1080@30fps), 720P(1280x720@30fps) MJPEG : 1.3M(1280x960@15fps), 1080P(1920x1080@15fps), 720P(1280x720@15fps)	H.264 : 2MP(1600×1200@15fps), 720P(1280×720@30fps) MJPEG : 2MP(1600×1200@5fps), 720P(1280×720@15fps)	H.264 : 3M(2048x1536@22fps), 1080P(1920x1080@30fps), 720P(1280x720@30fps) MJPEG : 1.3M(1280x960@15fps), 1080P(1920x1080@15fps), 720P(1280x720@15fps)		H.264 : 2MP(1600×1200@15fps), 720P(1280×720@30fps) MJPEG : 2MP(1600×1200@15fps), 720P(1280×720@30fps)	
Bitrate Control	CBR and VBR, 128kbps~10Mbps	CBR and VBR, 128kbps~4Mbps	CBR and VBR, 128kbps~8Mbps		CBR and VBR, 128kbps~4Mbps	
Multi-streams	Dual streaming, Multiple profiles / 1920x1080 H.264@30fps/1280x720 H.264(Sub)@30fps/1920x1080 MJPEG@15fps / 2560x1920 H.264@15fps/640x480 H.264(Sub)@15fps/1280x960 MJPEG@15fps	Dual streaming, Multiple profiles / 1280x720 H.264@30fps/640x352 H.264(Sub)@30fps/1280x720 MJPEG@15fps / 1600x1200 H.264@15fps/640x480 H.264(Sub)@15fps/1600x1200 MJPEG@15fps	Dual streaming, Multiple profiles / 1920x1080 H.264@30fps/720x400 H.264(Sub)@30fps/1920x1080 MJPEG@15fps / 2048x1536 H.264@22fps/640x480 H.264(Sub)@22fps/1280x960 MJPEG@15fps		Dual streaming, Multiple profiles / 1280x720 H.264@30fps/640x352 H.264(Sub)@30fps/1280x720 MJPEG@15fps / 1600x1200 H.264@15fps/640x480 H.264(Sub)@15fps/1600x1200 MJPEG@15fps	
Digital Zoom (PC Side)	1/4X, 1/3X, 1/2X, 1X, 2X, 4X	1/4X, 1/3X, 1/2X, 1X, 2X, 4X	1/4X, 1/3X, 1/2X, 1X, 2X, 4X		1/4X, 1/3X, 1/2X, 1X, 2X, 4X	
Image Rotation	Mirror, Flip, Rotate 180°	Mirror, Flip, Rotate 180°	Mirror, Flip, Rotate 180°		Mirror, Flip, Rotate 180°	

Audio

2 Way Audio	Audio Line in, Audio Line-out	Audio Line in, Audio Line-out	Audio Line in, Audio Line-out		Audio Line in, Audio Line-out	
Compression	AMR, G.711@64kbps, G.726@32kbps/Configure bit rate	AMR, G.711@64kbps, G.726@32kbps/Configure bit rate	AMR, G.711@64kbps, G.726@32kbps/Configure bit rate		AMR, G.711@64kbps, G.726@32kbps/Configure bit rate	

Intelligent Video

	Motion Detection / Tamper Detection / Privacy Mask	Motion Detection / Tamper Detection / Privacy Mask	Motion Detection / Tamper Detection / Privacy Mask		Motion Detection / Tamper Detection / Privacy Mask	

System Requirements

Browser	Internet Explorer 6.0 or above	Internet Explorer 6.0 or above	Internet Explorer 6.0 or above		Internet Explorer 6.0 or above	
Application Software	VMS Application Software	VMS Application Software	VMS Application Software		VMS Application Software	
OS Supported	Microsoft Windows 2000, XP, Vista, Windows 7	Microsoft Windows 2000, XP, Vista, Windows 7	Microsoft Windows 2000, XP, Vista, Windows 7		Microsoft Windows 2000, XP, Vista, Windows 7	

I/O and Connectors

LAN	1xRJ-45 Ethernet connector	1xRJ-45 Ethernet connector	1xRJ-45 Ethernet connector		1xRJ-45 Ethernet connector	
Audio	N/A	N/A	1xAudio Line-in, 1xAudio Line-out		1xAudio Line-in, 1xAudio Line-out	
Alarm I/O	N/A	N/A	1xAlarm-in, 1xAlarm-out		1xAlarm-in, 1xAlarm-out	
Serial Port	N/A	N/A	N/A		N/A	
Factory Default	1xReset Button	1xReset Button	1xReset Button		1xReset Button	

General

Storage	N/A	N/A	1x Micro SD Card (SDHC up to 32GB)		1x Micro SD Card (SDHC up to 32GB)	
Power Input	DC12V, DC12V/PoE	DC12V, DC12V/PoE	DC12V, DC12V/PoE		DC12V, DC12V/PoE	
Power Consumption	6.2W	6.2W	6W(IR On) / 4W (IR Off)		6W(IR On) / 4W (IR Off)	
Operation Environment	Operation temperature : -20°C~50°C / Storage temperature : -30°C~60°C / Operation humidity : 0%~95% Non-condensing	Operation temperature : -20°C~50°C / Storage temperature : -30°C~60°C / Operation humidity : 0%~95% Non-condensing	Operation temperature : -20°C~50°C / Storage temperature : -30°C~60°C / Operation humidity : 0%~95% Non-condensing		Operation temperature : -20°C~50°C / Storage temperature : -30°C~60°C / Operation humidity : 0%~95% Non-condensing	
Dimensions	63mm(Φ)x 166mm(L)	63mm(Φ)× 166mm(L)	180mm(L)x65mm(Φ)	168mm(L)x65mm(Φ)	180mm(L)x65mm(Φ)	168mm(L)x65mm(Φ)
Weight	DC12V+PoE (DC Jack)	DC12V+PoE (DC Jack)	DC12V : 605g / PoE : 625g	DC12V : 560g / PoE : 580g	DC12V : 607g / PoE : 627g	DC12V : 563g / PoE : 583g
Safety Certifications	CE, FCC, Class A, RoHS, IP66	CE, FCC, Class A, RoHS, IP66	CE, FCC, Class A, RoHS, IP67, UL		CE, FCC, Class A, RoHS, IP67	
Warranty	24 Months	24 Months	24 Months		24 Months	

Network

Streaming Protocols	RTSP/RTP/UDP,RTSP/RTP/TCP,RTSP/RTP/ HTTP tunneling, LAN Multicast, Multipart-JPEG	RTSP/RTP/UDP,RTSP/RTP/TCP,RTSP/RTP/ HTTP tunneling, LAN Multicast, Multipart-JPEG	RTSP/RTP/UDP,RTSP/RTP/TCP,RTSP/RTP/ HTTP tunneling, LAN Multicast, Multipart-JPEG		RTSP/RTP/UDP,RTSP/RTP/TCP,RTSP/RTP/ HTTP tunneling, LAN Multicast, Multipart-JPEG	
Supported Protocols	IPv4, HTTP, UDP, TCP, ICMP, IGMP, ARP, DHCP, NTP, SMTP, FTP, SAMBA, UPnP, PPPoE, DNS, DDNS, RTSP, RTP, RTCP, ONVIF	IPv4, HTTP, UDP, TCP, ICMP, IGMP, ARP, DHCP, NTP, SMTP, FTP, SAMBA, UPnP, PPPoE, DNS, DDNS, RTSP, RTP, RTCP, ONVIF	IPv4, IHTTP, UDP, TCP, ICMP, IGMP, ARP, DHCP, NTP, SMTP, FTP, SAMBA, UPnP, PPPoE, DNS, DDNS, RTSP, RTP, RTCP, ONVIF		IPv4, HTTP, UDP, TCP, ICMP, IGMP, ARP, DHCP, NTP, SMTP, FTP, SAMBA, UPnP, PPPoE, DNS, DDNS, RTSP, RTP, RTCP, ONVIF	

20140513